

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| S1    | 667  | (713/193).CCLS.  | USPAT; USOCR                                       | OR               | OFF     | 2007/02/27 13:57 |
| S2    | 347  | (713/171).CCLS.  | USPAT; USOCR                                       | OR               | OFF     | 2006/05/31 17:35 |
| S3    | 2    | (player recorder recording adj medium) same (exchang\$3 send\$3) near3 (encryption adj key) with (user adj (identification identifier))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/05/31 17:37 |
| S4    | 1    | (player recorder recording adj medium) same (encrypt\$3 scrambl\$3 cipher\$3 encipher\$3) same (playback play adj back) near3 (encrypt\$3) with (user adj (identification identifier)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/05/31 17:40 |
| S5    | 3    | (player recorder recording adj medium) same (encrypt\$3 scrambl\$3 cipher\$3 encipher\$3) same (playback play adj back) same (encrypt\$3) with (user adj (identification identifier))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/05/31 20:41 |
| S6    | 0    | kupka-michael.in.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/05/31 20:41 |
| S7    | 317  | kupka.in.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/05/31 20:42 |
| S8    | 5    | kupka.in. and hawkins.in.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/05/31 21:26 |
| S9    | 917  | (713/182).CCLS.  | US-PGPUB; USPAT                                    | OR               | OFF     | 2006/05/31 21:27 |
| S10   | 1    | ("6170061").PN.  | USPAT; USOCR                                       | OR               | OFF     | 2006/06/01 15:27 |
| S11   | 1    | ("6070246").PN.  | USPAT; USOCR                                       | OR               | OFF     | 2006/06/01 15:27 |

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|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S12 | 1   | ("6070246").PN.  | USPAT;<br>USOCR   | OR | OFF | 2006/06/01 22:42 |
| S13 | 1   | ("6381682").PN.  | USPAT;<br>USOCR   | OR | OFF | 2006/06/02 13:56 |
| S14 | 2   | ("2717847").PN.  | USPAT;<br>USOCR   | OR | OFF | 2006/06/02 16:09 |
| S15 | 1   | ("20020124182").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/06/02 16:10 |
| S16 | 2   | opportunity and "20020124182"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/06/02 16:11 |
| S17 | 2   | (("20040088544") or<br>("20040085955")).PN.  | US-PGPUB;<br>USPAT  | OR | OFF | 2006/06/02 21:19 |
| S18 | 0   | ("20020004884").PN.  | USPAT;<br>USOCR   | OR | OFF | 2006/09/25 14:39 |
| S19 | 1   | ("20020004884").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/09/25 14:39 |
| S20 | 6   | ((("20020004884") or ("6,170,060")<br>or ("6,453,369") or ("6,681,015") or<br>("6,738,877") or ("5,596,639"))).PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/09/26 13:00 |
| S21 | 0   | masaki-mochizuki.in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/26 13:01 |
| S22 | 97  | mochizuki-masaki.in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/26 13:01 |
| S23 | 5   | ("4757534"   "5392351"   "5400319"<br>  "5881038"   "5886979").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/09/26 13:03 |
| S24 | 108 | ("4757534").URPN.  | USPAT   | OR | ON  | 2006/09/26 13:15 |
| S25 | 5   | naruki-hidetoshi.in.   | USPAT   | OR | ON  | 2006/09/26 13:16 |
| S26 | 10  | naruki-hidetoshi.in.   | US-PGPUB;<br>USPAT  | OR | ON  | 2006/09/26 13:16 |

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|     |     |   |                            |    |    |                  |
|-----|-----|---|----------------------------|----|----|------------------|
| S27 | 90  | ("20020007456"   "20020073336"   "3609697"   "3798605"   "3806882"   "3956615"   "4168396"   "4253157"   "4278837"   "4319079"   "4433207"   "4458315"   "4528643"   "4593376"   "4658093"   "4683553"   "4685055"   "4688169"   "4740890"   "4747139"   "4757534"   "4796220"   "4817140"   "4827508"   "4864494"   "4864616"   "4885778"   "4888798"   "4896346"   "4924378"   "4949248"   "4949379"   "4991208"   "4998279"   "4999806"   "5010571"   "5023907"   "5027398"   "5046090"   "5046092"   "5047928"   "5054064"   "5058162"   "5065429"   "5070479"   "5099516"   "5103476"   "5109413"   "5113518"   "5117458"   "5119319"   "5126728"   "5138712"   "5166886"   "5199066"   "5222134"   "5235642"   "5257373"   "5260999"   "5291598"   "5293452"   "5305447"   "5337360"   "5363483"   "5438508"   "5479509"   "5490216"   "5495411"   "5509070"   "5530752"   "5606609"   "5629980"   "5634012"   "5638443"   "5646992"   "5649013"   "5717604"   "5754864"   "5765152"   "5790664"   "5933497"   "6189146"   "6243692"   "6256393"   "6266654"   "6298317"   "6343280"   "6343295"   "6434558"   "6829368").PN. | US-PGPUB; USPAT; USOCR     | OR | ON | 2006/09/26 14:18 |
| S28 | 1   | (cryptographic adj key adj generation adj using adj biometric).ti.  | US-PGPUB; USPAT; USOCR     | OR | ON | 2006/09/26 14:32 |
| S29 | 0   | kupka-michael.in.   | US-PGPUB; USPAT; USOCR     | OR | ON | 2006/09/26 14:32 |
| S30 | 113 | kupka.in.   | US-PGPUB; USPAT; USOCR     | OR | ON | 2006/09/26 15:00 |
| S31 | 207 | kupka.in.   | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/26 15:00 |
| S32 | 0   | kupka.in. and (compound adj key).ti.  | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/26 15:01 |

## EAST Search History

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S33 | 2   | kupka.in. and (compound adj key)  | EPO; JPO;<br>DERWENT;<br>IBM_TDB                                  | OR | ON  | 2006/10/03 14:47 |
| S34 | 778 | ((713/171) or (713/191)).CCLS.  | US-PGPUB;<br>USPAT  | OR | OFF | 2006/09/26 15:27 |
| S35 | 58  | S34 and (@pd > "20060601")  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/26 15:27 |
| S36 | 1   | ("20030221113").PN.   | US-PGPUB;<br>USPAT  | OR | OFF | 2006/09/27 13:24 |
| S37 | 2   | ("2003/0221113").URPN.  | USPAT   | OR | ON  | 2006/09/27 14:06 |
| S38 | 493 | (encrypt\$3 scrambl\$3) near5 user<br>adj (information name id password)  | USPAT   | OR | ON  | 2006/09/27 14:07 |
| S39 | 186 | (encrypt\$3 scrambl\$3) near5 user<br>adj (information name id password)<br>same (transmit\$4 send\$3<br>exchang\$3)  | USPAT   | OR | ON  | 2006/09/27 14:09 |
| S40 | 83  | (encrypt\$3 scrambl\$3) near5 user<br>adj (information name id password)<br>same (transmit\$4 send\$3<br>exchang\$3) same (record\$3 sav\$3<br>stor\$3)             | USPAT   | OR | ON  | 2006/09/29 17:08 |
| S41 | 0   | (encrypt\$3 scrambl\$3) near5 user<br>adj (information name id password)<br>same (transmit\$4 send\$3<br>exchang\$3) same (record\$3 sav\$3<br>stor\$3) same player | USPAT   | OR | ON  | 2006/09/27 14:18 |
| S42 | 0   | (encrypt\$3 scrambl\$3) near5 user<br>adj (information name id password)<br>same (transmit\$4 send\$3<br>exchang\$3) same player                                    | USPAT   | OR | ON  | 2006/09/27 14:18 |
| S43 | 21  | (encrypt\$3 scrambl\$3) near5 user<br>adj (information name id password)<br>same (transmit\$4 send\$3<br>exchang\$3) and player                                     | USPAT   | OR | ON  | 2006/09/27 14:20 |
| S44 | 64  | (encrypt\$3 scrambl\$3) same user<br>adj (information name id password)<br>with (transmit\$4 send\$3<br>exchang\$3) and player                                      | USPAT   | OR | ON  | 2006/09/27 14:25 |
| S45 | 186 | (encrypt\$3 scrambl\$3) near5 user<br>adj (information name id password)<br>same (transmit\$4 send\$3<br>exchang\$3)  | USPAT   | OR | ON  | 2006/09/27 14:25 |
| S46 | 41  | ("5751813").URPN.   | USPAT   | OR | ON  | 2006/09/27 14:35 |

## EAST Search History

|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| S47 | 843  | (encrypt\$3 scrambl\$3) near5 (user adj (information name id identifier) username password) same (transmit\$4 send\$3 exchang\$3)   | USPAT   | OR | ON  | 2006/09/29 17:11 |
| S48 | 535  | (encrypt\$3 scrambl\$3) near5 (user adj (information name id identifier) username password) with (transmi\$5 send\$3 exchang\$3)  | USPAT   | OR | ON  | 2006/09/29 17:13 |
| S49 | 237  | (encrypt\$3 scrambl\$3) near5 (user adj (information name id identifier) username password) same ((transmi\$5 send\$3 exchang\$3) with (encrypt\$3 scrambl\$3 public secret) adj key) | USPAT   | OR | ON  | 2006/09/29 18:00 |
| S50 | 1463 | (playback) and (encrypt\$3 scrambl\$3) and record\$3 and (user adj (id identification identifier name))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/29 18:02 |
| S51 | 854  | player and (playback) and (encrypt\$3 scrambl\$3) and record\$3 and (user adj (id identification identifier name))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/10/05 12:42 |
| S52 | 277  | player and (playback) and (encrypt\$3 scrambl\$3) and record\$3 and (user adj (id identification identifier name))  | USPAT   | OR | ON  | 2006/09/29 18:21 |
| S53 | 2    | recording adj medium with contain\$3 with user adj (id identifier identification name)  | USPAT   | OR | ON  | 2006/09/29 18:24 |
| S54 | 8    | player same (playback play adj back) same (user adj (id identifier identification name) username)   | USPAT   | OR | ON  | 2006/09/29 18:25 |
| S55 | 75   | ("6385596").URPN.   | USPAT   | OR | ON  | 2006/10/02 15:04 |
| S56 | 2    | kupka.in. and (compound adj key)  | US-PGPUB;<br>USPAT  | OR | ON  | 2006/10/03 15:09 |
| S57 | 1    | ("6507909").PN.   | US-PGPUB;<br>USPAT  | OR | OFF | 2006/10/03 15:09 |
| S58 | 5    | player and (playback) same (encrypt\$3 scrambl\$3) same record\$3 same (user adj (id identification identifier name))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/10/05 12:42 |

## EAST Search History

|     |      |   |  |    |     |                  |
|-----|------|---|--|----|-----|------------------|
| S59 | 40   | (playback) same (encrypt\$3 scrambl\$3) same (user adj (id identification identifier name)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/10/05 13:21 |
| S60 | 54   | kim-jung.xa. kim-jung-w.xa. kim-jung-woo.xa.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/10/06 14:31 |
| S61 | 1    | ("6327652").PN.   | US-PGPUB; USPAT                                    | OR | OFF | 2006/10/06 15:11 |
| S62 | 1    | ("5892900").PN.   | US-PGPUB; USPAT                                    | OR | OFF | 2006/10/06 15:11 |
| S63 | 87   | ("6327652").URPN.   | USPAT  | OR | ON  | 2006/10/06 15:34 |
| S64 | 0    | ("8967084").PN.   | US-PGPUB; USPAT                                    | OR | OFF | 2006/10/06 15:35 |
| S65 | 1    | ("6236971").PN.   | US-PGPUB; USPAT                                    | OR | OFF | 2006/10/06 15:35 |
| S66 | 50   | ("6236971").URPN.   | USPAT  | OR | ON  | 2006/10/06 15:37 |
| S67 | 2913 | ((713/182) or (713/193) or (726/28) or (726/29)).CCLS.                                      | US-PGPUB; USPAT                                    | OR | OFF | 2006/10/06 22:46 |
| S68 | 412  | S67 and (@pd > "20060412")  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/10/06 16:42 |
| S69 | 448  | ((726/28) or (726/29)).CCLS.  | US-PGPUB; USPAT                                    | OR | OFF | 2006/10/06 22:47 |
| S70 | 70   | S69 and (@pd > "20060412")  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/10/06 22:47 |
| S71 | 1546 | ((713/182) or (713/193) or (726/28) or (726/29)).CCLS.                                      | USPAT; USOCR                                       | OR | OFF | 2007/02/27 13:58 |
| S72 | 180  | S71 and (@pd > "20061006")  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/02/27 13:58 |
| S73 | 1    | ("6453369").PN.   | US-PGPUB; USPAT                                    | OR | OFF | 2007/02/27 14:16 |

## EAST Search History

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S74 | 167 | (reproduc\$4 replica\$4 play\$3) near2<br>(constraint rule requirement policy)<br>same (authenticat\$3 verification<br>verif\$4 validat\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/27 15:01 |
| S75 | 36  | (playback same player adj (id<br>identifier))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/27 15:02 |
| S76 | 53  | ("3763330"   "4266243"   "4393277"<br>  "4455651"   "4473824"  <br>"4499568"   "4682368"   "4698776"<br>  "4725977"   "4772873"  <br>"4788543"   "4788675"   "4851931"<br>  "4941040"   "4989179"  <br>"5042070"   "5055947"   "5065258"<br>  "5099422"   "5132992"  <br>"5159182"   "5172413"   "5181107"<br>  "5191410"   "5191573"  <br>"5210611"   "5247347"   "5251909"<br>  "5253275"   "5311423"  <br>"5359698"   "5371532"   "5383112"<br>  "5420690"   "5440336"  <br>"5442389"   "5491774"   "5491820"<br>  "5493677"   "5524051"  <br>"5539658"   "5541638"   "5557541"<br>  "5572442"   "5579471"  <br>"5634080"   "5664228"   "5675734"<br>  "5699526"   "5727156"  <br>"5727159"   "5732219"  <br>"5752244").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2007/02/27 15:02 |
| S77 | 105 | ("5926624").URPN.  | USPAT   | OR | ON | 2007/02/27 15:09 |
| S78 | 0   | (playback same (smart adj card)<br>same player adj (id identifier))  | USPAT   | OR | ON | 2007/02/27 15:10 |
| S79 | 0   | (playback and (smart adj card ic adj<br>card) same player adj (id identifier))   | USPAT   | OR | ON | 2007/02/27 15:10 |
| S80 | 0   | (playback and (user adj<br>identification adj module) same<br>player adj (id identifier))  | USPAT   | OR | ON | 2007/02/27 15:11 |
| S81 | 0   | (user adj identification adj module)<br>same player adj (id identifier)  | USPAT   | OR | ON | 2007/02/27 15:11 |
| S82 | 1   | (user adj identification adj module)<br>same player adj (id identifier)  | US-PGPUB;<br>USPAT  | OR | ON | 2007/02/27 15:11 |
| S83 | 1   | (user adj (id identification) adj<br>module) same player adj (id<br>identifier)  | US-PGPUB;<br>USPAT  | OR | ON | 2007/02/27 15:12 |

## EAST Search History

|     |      |   |  |    |     |                  |
|-----|------|---|--|----|-----|------------------|
| S84 | 2    | playback same (user adj (id identification) adj module)   | US-PGPUB; USPAT                                    | OR | ON  | 2007/03/01 12:37 |
| S85 | 1    | ("5596639").PN.   | US-PGPUB; USPAT                                    | OR | OFF | 2007/03/01 13:09 |
| S86 | 43   | playback and (smartcard (ic smart) adj card) same user adj (identifier id)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/03/01 13:12 |
| S87 | 1    | ("6385596").PN.   | US-PGPUB; USPAT                                    | OR | OFF | 2007/03/01 13:33 |
| S88 | 1603 | (726/22-24).CCLS.   | US-PGPUB; USPAT                                    | OR | OFF | 2007/03/01 13:33 |
| S89 | 268  | S88 and (@pd > "20060817")  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/03/01 13:34 |
| S90 | 1    | ("6341373").PN.   | US-PGPUB; USPAT                                    | OR | OFF | 2007/03/01 13:34 |
| S91 | 20   | ("6341373").URPN.   | USPAT  | OR | ON  | 2007/03/01 13:36 |
| S92 | 5    | (upgrade same (trust valid\$4 authentic authenticat\$3) same (activex javascript visual adj basic applet))  | USPAT  | OR | ON  | 2007/03/01 13:37 |
| S93 | 5    | (upgrade same (trust\$2 valid\$4 authentic authenticat\$3) same (activex javascript visual adj basic applet))   | USPAT  | OR | ON  | 2007/03/01 13:39 |
| S94 | 23   | (upgrade same (trust\$2 valid\$4 authentic authenticat\$3) same (browser))  | USPAT  | OR | ON  | 2007/03/01 13:39 |
| S95 | 16   | ("4035835"   "5436673"   "5680458"   "5752042"   "5790796"   "5808628"   "5867166"   "5870759"   "5974461"   "5991542"   "6006034"   "6009274"   "6049628"   "6049671"   "6199204"   "6202207").PN. | US-PGPUB; USPAT; USOCR                             | OR | ON  | 2007/03/01 13:41 |